



KING COUNTY
CIVIL / TRAFFIC ENGINEER
(ENGINEER IV)
DEPARTMENT OF TRANSPORTATION / TRANSIT DIVISION
Service Development Section – Speed & Reliability Group
Annual Salary Range: \$76,493 – \$92,475
Job Announcement: 06RC5966
OPEN: 5/22/06 CLOSE: 6/20/06

WHO MAY APPLY: This position is open to the general public.

WHERE TO APPLY: Required forms and materials must be sent to: **201 S. Jackson Street, M.S. KSC-TR-0419, Seattle, WA 98104** or hand-delivered to **Career and Employment Center** at 201 S. Jackson Street. Application materials must be received **by 4:00 p.m. on the closing date.** (Postmarks are NOT ACCEPTED.) Contact Ralph Cady at (206) 263-4782 or by email at ralph.cady@metrokc.gov for further inquiries. **PLEASE NOTE:** Applications not received at the location and by the closing date and time specified above will not be processed.

FORMS AND MATERIALS REQUIRED: A [King County application form and data sheet](#), résumé, and letter of interest describing your interest in the position and how you specifically meet or exceed the requirements.

WORK LOCATION: King Street Center, 201 S. Jackson Street, Seattle, WA.

WORK SCHEDULE: This position is exempt from the provisions of the Fair Labor Standards Act, and therefore not eligible for overtime pay. The workweek is normally 8:00 a.m. – 5:00 p.m. Monday through Friday.

PRIMARY JOB DUTIES:

This position will join the Transit Speed and Reliability work unit, a specialized technical team at King County Metro Transit Division. This is nine person unit that is composed of project managers, traffic engineers, IT personnel, and technical support staff. The group has primary responsibility for working with local traffic engineers throughout the Puget Sound area to develop and implement traffic operations improvements that benefit transit, including transit signal priority. The group also has lead responsibility for designing and implementing the Intelligent Transportation Systems (ITS) architecture required to support ITS investments in up to five Bus Rapid Transit corridors, which will include transit signal priority and real time information. The group is looking to add a traffic/transportation engineer with a strong background in ITS design and deployment. An initial area of emphasis for this position will be supporting the development of fiber network communication investments for Bus Rapid Transit corridors.

Job duties will include:

- Provide technical support the for implementation of transit ITS architecture that has been developed for King County Metro Transit
- Represent King County Metro in regional ITS forums.
- Provide project management support for the design and development of a new fiber backbone for transit ITS applications.
- Negotiate cost sharing arrangements with regional partners for ITS investments.

KING COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER. JOB ANNOUNCEMENTS ARE AVAILABLE IN ALTERNATIVE FORMATS FOR PERSONS WITH DISABILITIES.

(206) 296-5209 JOBLINE <http://www.metrokc.gov/ohrm/psd/openings.html> Website Address (206)-296-8535 TTY

- Prepare scopes of work and manage pre-design, final design, specifications and cost estimates for transit signal priority projects.
- Manage consultant work orders and review pre-design reports, design drawings, specifications and cost estimates for related traffic engineering projects.
- Assist project managers and field inspectors with planning, and with design and engineering support on transit signal priority projects during construction.
- Coordinate technical integration of King County bus detection system with traffic control systems of local cities that agree to implement transit signal priority.
- Provide quality control reviews and mentoring for more junior engineers.
- Manage planning and pre-design projects for projects that improve transit speed and reliability and/or enhance the effectiveness of transit signal priority.
- Advocate for transit with local traffic engineering community.

QUALIFICATIONS: Qualified candidates must meet the following minimum qualifications:

A Bachelor of Science degree in civil engineering or an equivalent degree, and a minimum of seven years of experience as a traffic/transportation engineer with at least five years of project management experience in one or more of the following areas: ITS standards and ITS engineering practices; signal design; operation and integration of traffic controller hardware/software; traffic signal operational analysis, transit signal priority; communication technology, including fiber; and roadway geometric design/channelization. Also required:

- Knowledge of MUTCD, HCM, NTCIP, ITS standards and traffic engineering practices, codes and regulations.
- Ability to work independently or to work as a team member in a supporting role in flexible environment
- Demonstrated hands on analytical capabilities and sound engineering judgement.
- Ability to manage multiple tasks simultaneously.
- Ability to be innovative and make independent decisions.
- Project management with hands on skills.
- Experience in the preparation of engineering plans, technical specifications, cost estimates and bid documents.
- Excellent oral and written communication skills.
- Ability to represent King County Metro in regional traffic engineering forums.

DESIRABLE QUALIFICATIONS: Registration as a Professional Civil Engineer in the State of Washington and/or completed Project Management Certification is highly desirable.

NECESSARY SPECIAL REQUIREMENTS: Valid Washington State driver's license (by hire date) or the ability to travel throughout the county in a timely manner.

SELECTION PROCESS: Applications will be screened for clarity, completeness, and responsiveness to the list of required qualifications. Competitive applicants will be invited to

participate in a panel interview and possibly a written exercise. A second interview may be required at the discretion of the supervisor of the Speed & Reliability workgroup.

UNION MEMBERSHIP: This position is represented by I.F.P.T.E., Local 17 - Professional and Technical Bargaining Unit.

CLASS CODE: 7112400